



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, June 06, 2011

Major Developments

Storms and Lightning Knock Out Power to Nearly 380,000 Customers across the U.S. South June 4-5

The storms toppled two El Paso Electric transmission lines, leading to a brief power outage for 163,000 El Paso customers. Meanwhile, a bolt of lightning struck an Alabama Power substation near Silverhill, Alabama on June 5, knocking out power to nearly 62,000 Riviera Utilities and Baldwin EMC customers on June. Other utilities across the south also saw customers impacted by thunderstorms and hail over the weekend.

U.S. South Customer Power Outages			
June 4-6			
Electric Utility	State	Peak	Latest Reported
El Paso Electric	TX	163,000	0
CenterPoint Energy	TX	78,000	23,466
Riviera Utilities	AL	42,000	0
Baldwin EMC	AL	19,674	0
Entergy	LA	28,000	5,160
DEMCO	LA	7,000	0
Duke Energy	NC/SC	29,000	3,496
EnergyUnited	NC	1,500	0
City of Tallahassee	FL	10,000	0
TOTAL *		378,174	32,122

*Total outages only represent electric utilities listed in this table.

Sources:

El Paso Electric: http://www.elpasotimes.com/ci_18212128?source=most_email

CenterPoint Energy: <http://www.chron.com/disp/story.mpl/ap/tx/7597495.html> ,
<http://gis.centerpointenergy.com/outagetracker/index.html>

Riviera Utilities: http://blog.al.com/live/2011/06/lightning_strike_knocks_power.html

Baldwin EMC: <http://twitter.com/#!/BEMCRestoration/status/77464647824965632> ,
<http://twitter.com/#!/BEMCRestoration/status/77489392494723072>

Entergy: <http://www.wafb.com/story/14840516/power-is-out-at-perkins-rowe-many-restaurants-closed>
, <http://viewoutage.entergy.com/la.aspx>

DEMCO: <http://www.wafb.com/story/14840516/power-is-out-at-perkins-rowe-many-restaurants-closed> ,

Duke Energy: <http://www.charlotteobserver.com/2011/06/05/2353946/strong-storms-cross-charlotte.html>
, <http://www.duke-energy.com/north-carolina/outages/current.asp>

Energy United: <http://www.charlotteobserver.com/2011/06/05/2353946/strong-storms-cross-charlotte.html>
, http://www.energyunited.com/storm_center2.asp

City of Tallahassee: <http://www.tallahassee.com/article/20110605/BREAKINGNEWS/110605010/Update-More-than-9K-still-without-power-in-Tallahassee>
, http://www.wctv.tv/news/headlines/Power_Outages_Reported_123202358.html?storySection=story

Storms, Wind, and Hail Batter Indiana June 4, Killing One and Leaving Nearly 73,000 Customers without Power

A strong but brief spring storm killed one person, caused flooding, and knocked out power to the following Indiana utility customers on June 4:

- A peak of 34,000 NIPSCO customers lost power. As of latest reports, 5,125 are still in the dark.
- A peak of 26,566 Duke Energy customers were without power. As of latest reports, only 17 are without power.
- At least 12,300 Indianapolis Light & Power customers lost power on Saturday night. Only 94 are still without electricity as of latest reports.

http://www.nwitimes.com/news/local/laporte/article_0794c601-abb4-5242-a30f-47e397388e80.html

<http://www.theindychannel.com/news/28132561/detail.html>

Duke Energy: <http://www.indystar.com/article/20110604/LOCAL/106040374/Storms-leave-thousands-without-power?odyssey=navlhead> , <http://www.duke-energy.com/indiana/outages/current.asp>

NIPSCO: <http://www.nipscooutages.com/WSSNisourceOutageMap/outagemap.html?action=city&reloaded=true> , <http://www.nipsco.com/stormcenter> , http://www.nwitimes.com/news/local/lake/crown-point/article_c4f14783-c77b-5a79-8723-9f15eeb3a770.html

Indianapolis Power & Light: <http://www.indystar.com/article/20110605/LOCAL/106050373/1-death-reported-storms-rake-Central-Indiana?odyssey=tabtopnews|text|IndyStar.com> , <http://apps.iplpower.com/outages/outagemap.aspx>

Update: WMECO Restores Power to Most Massachusetts Customers Following June 1 Tornadoes

Western Massachusetts Electric Company (WMECO), a subsidiary of Northeast Utilities, said on June 5 that it had restored electricity to over 34,000 customers who lost power during last week's deadly tornadoes in western Massachusetts. As of latest reports on June 6, just 12 WMECO customers were without power in its service territory. Only scattered National Grid customers were without power on June 5.

<http://boston.cbslocal.com/2011/06/05/utility-power-restored-to-springfield-customers/>

<http://www.wmeco.com/outage/outagemap.asp>

Exelon's 1,134 MW Limerick Nuclear Unit 1 in Pennsylvania Shut on June 3, Ramped Up to 20 Percent by June 6

According to a filing with the Nuclear Regulatory Commission (NRC), the unit had an automatic scram following a main turbine trip at 10:15 a.m. on Friday. Workers were performing testing on plant instrumentation at the time. According to news reports, this marks the third time that a reactor at the plant has shut down unexpectedly in the past week. The cause of the trip is under investigation. The NRC reported that on the morning of June 3 the unit was operating at full power.

Reuters, 07:04 June 6, 2011

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110606en.html>

<http://abclocal.go.com/wpvi/story?section=news/local&id=8144300>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

FPL's 1,155 MW Seabrook Nuclear Unit 1 in New Hampshire Reduced to 15 Percent by June 5, Ramped Up to 68 Percent by June 6

The Nuclear Regulatory Commission reported that on the morning of June 4 the unit was operating at full power. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

FPL's 839 MW Saint Lucie Nuclear Unit 2 in Florida Shut by June 6

The Nuclear Regulatory Commission reported that on the morning of June 5 the unit was operating at full power. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

Duke Energy's 1,129 MW Catawba Nuclear Unit 1 in South Carolina Ramped Up to 13 Percent by June 5

The Nuclear Regulatory Commission reported that on the morning of June 4 the unit was not operating. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

Exelon's 1,161 MW Braidwood Nuclear Unit 1 in Illinois Ramped Up to 99 Percent by June 5

The Nuclear Regulatory Commission reported that on the morning of June 4 the unit was operating at 85 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

Mountainview Power's 525 MW Mountainview Gas-Fired Unit 4 in California Reduced by June 3

According to the California Independent System Operator, the unit reported an unplanned curtailment of 285 MW on June 3.

<http://www.caiso.com/unitstatus/data/unitstatus201106031515.html>

AES's 226 MW Huntington Beach Gas-Fired Unit 2 in California Shut by June 3, Returns to Service by June 4

According to the California Independent System Operator, the unit reported an unplanned outage by June 3, then reported a return from the outage by June 4.

<http://www.caiso.com/unitstatus/data/unitstatus201106031515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201106041515.html>

AES's 225 MW Huntington Beach Gas-Fired Unit 3 in California Shut by June 3, Returns to Service by June 4

According to the California Independent System Operator, the unit reported an unplanned outage by June 3, then reported a return from the outage by June 4.

<http://www.caiso.com/unitstatus/data/unitstatus201106031515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201106041515.html>

AES's 506 MW Redondo Beach Gas-Fired Unit 7 in California Shut by June 5

According to the California Independent System Operator, the unit reported an unplanned outage by June 5.

<http://www.caiso.com/unitstatus/data/unitstatus201106051515.html>

AES's 175 MW Redondo Beach Gas-Fired Unit 6 in California Shut by June 4

According to the California Independent System Operator, the unit reported an unplanned outage by June 4.

<http://www.caiso.com/unitstatus/data/unitstatus201106041515.html>

Update: Entegra Power's 290 MW Gila River Dynamic Resource Gas-Fired Unit in Arizona Returns Reduced by June 3, Returns to Service by June 4

According to the California Independent System Operator, the unit reported an unplanned curtailment of 191 MW by June 3, then reported a return from the outage by June 4.

<http://www.caiso.com/unitstatus/data/unitstatus201106031515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201106041515.html>

Both Control Structure Chillers Out of Service at PPL's Susquehanna Nuclear Units 1 and 2 June 4

According to a filing with the Nuclear Regulatory Commission (NRC), plant personnel "observed the temperature control valve for the 'B' control structure chiller not operating properly." The 'A' chiller was already down for maintenance, so neither chiller was operable for 35 minutes. The condition was reported due to the possibility that it could have prevented fulfillment of a safety function. PPL's Susquehanna nuclear unit 1 has a capacity of 1,105 MW, while unit 2 has a capacity of 1,111 MW.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110606en.html>

Operators Plan to Shut Luminant's 593 MW Big Brown Coal-Fired Unit 2 in Texas June 4

According to a filing with state regulators, the unit is being shut to repair a boiler tube leak.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=155219>

Fearing Missouri River Floods, Operators Protect OPPD's 478 MW Fort Calhoun Nuclear Plant in Nebraska with Sandbags June 3-5

The Omaha Public Power District (OPPD) contracted a company to help place sandbags on the nuclear plant's flood wall over the weekend due to rising water levels along the Missouri River. Special berms also arrive on Friday which plant operators planned to install over the weekend. The plant has been shut since April for refueling.

<http://www.omaha.com/article/20110604/NEWS01/706049901/-1>

<http://www.nebraska.tv/Global/story.asp?S=14837503>

Petroleum

Update: TransCanada Restarts 1,300-Mile, 591,000 b/d, Alberta-to-Oklahoma Keystone Crude Pipeline June 5

The pipeline was successfully restarted by Sunday, after the Pipeline and Hazardous Materials Safety Administration (PHMSA) reversed its June 3 decision to block its restart until U.S. government officials were satisfied with the company's repairs. The pipeline was shut by May 29 due to a leak at a Kansas pumping station.

<http://www.whnt.com/business/sns-rt-us-transcanada-keystre75261u-20110605.0.2279943.story>

<http://www.beaumontenterprise.com/news/article/Federal-agency-shuts-down-Keystone-pipeline-1408745.php>

http://www.downstreamtoday.com/news/article.aspx?a_id=26817

Shell Evacuates Oil Sands Work Camps in Alberta Due to Wildfires June 2

Shell pulled all non-essential staff from its Muskeg River and Jackpine mines near Fort MacKay on Thursday night.

<http://www.sunnewsnetwork.ca/sunnews/canada/archives/2011/06/20110604-131727.html>

<http://www.fortmcmurraytoday.com/ArticleDisplay.aspx?e=3153978>

Update: Flaring Reported as PBF Energy Continues Startup Process at 182,000 b/d Delaware City, Delaware Refinery June 6

A company spokesman said that the facility "will be up in the second quarter," but declined to specify a date. PBF Energy acquired the refinery after Valero shuttered it in November 2009.

Reuters, 10:48 June 6, 2011

Cenovus Energy Increases Oil Output Targets for Next Ten Years; Plans 500,000 b/d of Oil Sands Production by 2021

The company expects production from its various current fields to rise to 120,000-130,000 b/d by the end of 2016, up from 70,000 b/d currently. The company plans to have net oil production of 350,000 b/d by the end of 2019, up from a previous projection of 300,000 b/d. The company will then increase oil production to 500,000 b/d by the end of 2021.

<http://af.reuters.com/article/energyOilNews/idAFL3E7H620Z20110606?sp=true>

<http://online.wsj.com/article/BT-CO-20110606-704723.html>

Natural Gas

Exco Resources and BP Group Shut Two Natural Gas Plants in Louisiana while Investigating Deadly May 28 Incident at Gas Plant Near Coushatta, Louisiana

A fatal incident occurred on May 28 at a natural gas processing plant near Coushatta, Louisiana owned by TGGT Holdings LLC, a joint venture of Exco Resources and BP Group, prompting operators to immediately shut the facility. It was not clear what exactly occurred during the incident. Exco also shut a second plant in DeSoto Parish, Louisiana while the company investigates the cause of the incident. Each gas processing plant has a capacity of 450 MMcf/d. The shutdowns lowered Exco's production by 100 MMcf/d for six days, according to the company. As of June 6, 20 MMcf/d of Exco production is still shut due to pipeline shipment limits while the plants are closed.

<http://www.bloomberg.com/news/2011-06-06/exco-says-deadly-louisiana-plant-incident-crimping-sales-1-.html>

Other News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
June 6, 2011			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	99.33	100.50	72.40
NATURAL GAS Henry Hub \$/Million Btu	4.83	4.37	4.46

Source: Reuters

Energy Notes

Alon Reports H402 Incinerator Is Smoking for Unknown Reasons at 53,000 b/d Paramount, California Refinery

Reuters, 14:09 June 6, 2011

BP-Husky Reports Pressure Relief Valve Opens, Leading to Flaring at 125,700 b/d Toledo, Ohio Refinery June 3

Reuters, 12:38 June 5, 2011

Tesoro Reports 88 Barrels of ULSD Spill in California after Operator Errs by Not Opening a Tank June 6

<http://www.oes.ca.gov/Operational/MALHaz.nsf/f1841a103c102734882563e200760c4a/74704d44e84a0725882578a700301be9?OpenDocument>

TVA Resurrects Plans June 3 to Complete 1,260 MW Bellefonte Nuclear Unit 1 in Hollywood, Alabama by 2018-2020 – Previous Work on the Reactor Stopped in the 1980s

<http://theenergycollective.com/dan-yurman/58834/tva-seeks-green-light-build-bellefonte>

Energy Secretary Chu Announces \$45.6 Million Conditional Commitment for Loan Guarantee to 20 MW Fotowatio Solar Project near Las Vegas, Nevada June 2 – Project Partially Funded by 2009 Recovery Act

<http://www.energy.gov/news/10351.htm>

Air Products Plans to Build 180-Mile, Texas-to-Louisiana Hydrogen Pipeline Extension – New Gulf Coast Hydrogen Pipeline Network to Be Operational in 2012

<http://www.prnewswire.com/news-releases/air-products-to-supply-additional-hydrogen-for-two-gulf-coast-valero-refineries-123223033.html>

Engines 1 through 6 Shut and Restart Due to “Engine Underspeed” at Andrews Booster Station in Texas June 4-5

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155267>

High Field Scrubber Level Shuts Andector Booster Station in Texas June 4

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155263>

Operators Report #5 Flare Smokes for 15 Minutes Due to Brief Process Upset at Alky Unit at Delek's 58,000 b/d Tyler Refinery in Texas June 4

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155265>

B-Turbine Shut to Repair Water Leak at Goldsmith Gas Plant in Texas June 3 – Operators Redirect Natural Gas to Fullerton Gas Plant in Texas to Reduce Flaring

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155262>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155230>

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EST every Thursday.

ENERGY ASSURANCE DAILY

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